

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023308.D
 Acq On : 09 Nov 2021 17:10
 Operator : SY/MD
 Sample : M4534-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 10 00:43:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 10 00:38:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139748	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	139205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	72344	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	29768	3.400	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	68.000%	
7) Chloroethane-d5	1.568	69	27953	3.918	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.400%	
11) 1,1-Dichloroethene-d2	2.111	63	44143	2.693	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	53.800%#	
20) 2-Butanone-d5	3.886	46	87778	58.198	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.400%	
24) Chloroform-d	4.352	84	77591	4.159	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.200%	
26) 1,2-Dichloroethane-d4	5.034	65	37230	4.437	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.800%	
32) Benzene-d6	5.053	84	140267	3.927	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.600%	
36) 1,2-Dichloropropane-d6	6.072	67	44534	4.236	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.800%	
41) Toluene-d8	7.317	98	118748	3.548	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	71.000%	
43) trans-1,3-Dichloroprop...	7.625	79	15813	3.966	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.400%	
46) 2-Hexanone-d5	8.088	63	70132	47.811	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.620%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34002	4.497	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	56394	4.682	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.600%	
Target Compounds						
					Qvalue	
30) Cyclohexane	4.674	56	2037	0.134	ug/L #	95
33) Benzene	5.101	78	112273	2.886	ug/L	100
34) Trichloroethene	6.117	95	1649	0.159	ug/L #	1
35) Methylcyclohexane	6.133	83	26939	1.650	ug/L #	86
39) cis-1,3-Dichloropropene	6.995	75	1104	0.085	ug/L #	54
42) Toluene	7.394	91	17096	0.411	ug/L	95
51) Chlorobenzene	8.883	112	4446339	160.742	ug/L	97
52) Ethylbenzene	9.021	91	6363	0.145	ug/L	92
53) m,p-xylene	9.143	106	12325	0.716	ug/L	97
54) o-xylene	9.551	106	1425	0.088	ug/L	81
57) 1,1,2,2-Tetrachloroethane	10.239	83	986	0.138	ug/L #	25
60) Isopropylbenzene	9.934	105	49916	1.202	ug/L #	85
61) 1,2,3-Trichloropropane	11.181	75	11664	2.427	ug/L #	51
62) 1,3,5-Trimethylbenzene	10.921	105	2612	0.076	ug/L	97
63) 1,2,4-Trimethylbenzene	10.921	105	2612	0.076	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	43054	2.030	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	295027	13.619	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	7438	0.392	ug/L	94
70) 1,2,4-trichlorobenzene	13.268	180	1263	0.095	ug/L #	66

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Response via : Initial Calibration

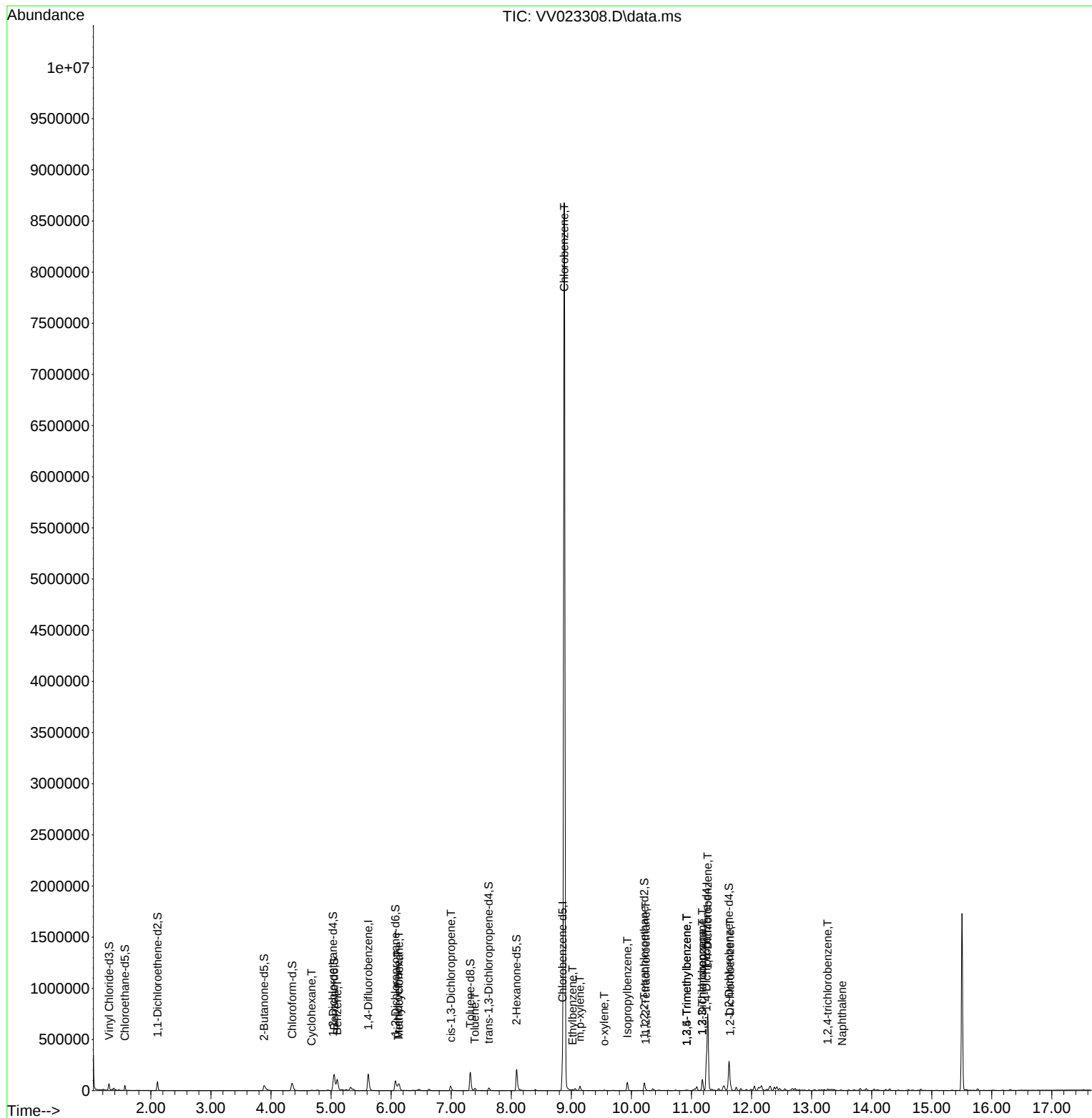
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.509	128	1114	0.057	ug/L	# 89

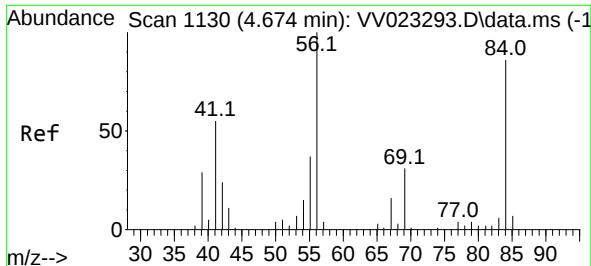
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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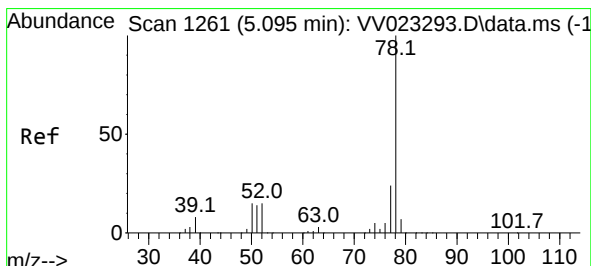
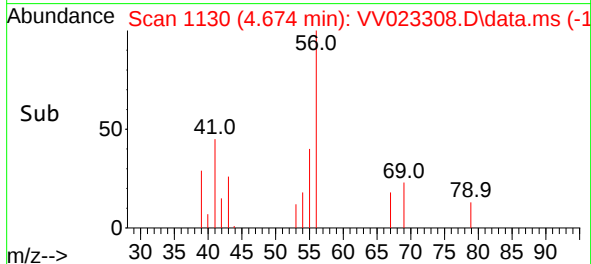
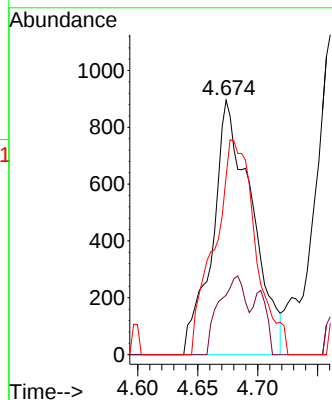
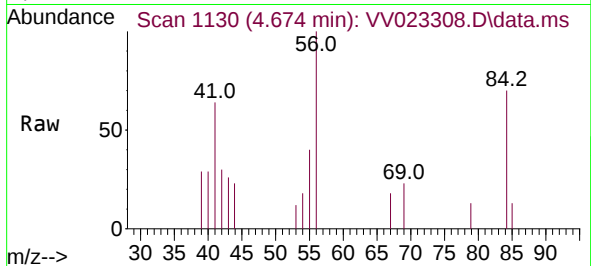




#30
Cyclohexane
Concen: 0.134 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

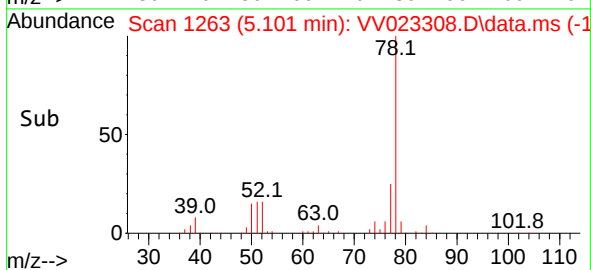
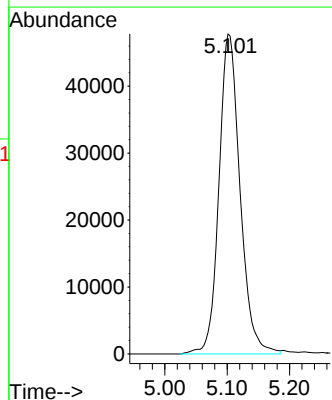
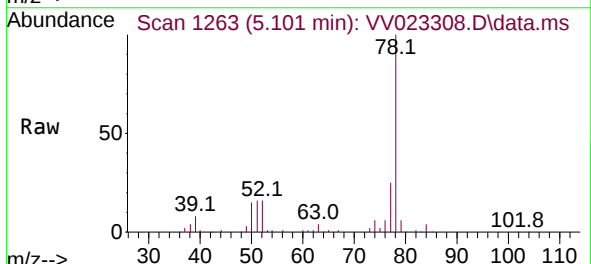
Instrument :
MSVOA_V
ClientSampleId :

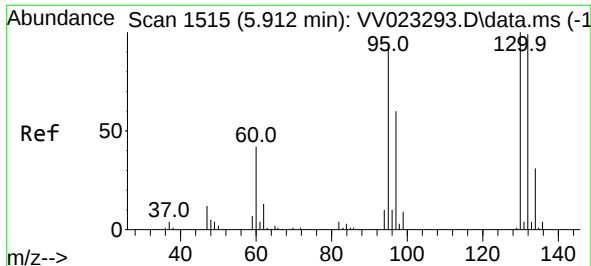
Tgt Ion: 56 Resp: 2037
Ion Ratio Lower Upper
56 100
69 21.0 23.5 35.3#
84 88.0 71.6 107.4



#33
Benzene
Concen: 2.886 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Tgt Ion: 78 Resp: 112273





#34

Trichloroethene

Concen: 0.159 ug/L

RT: 6.117 min Scan# 1515

Delta R.T. 0.206 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1649

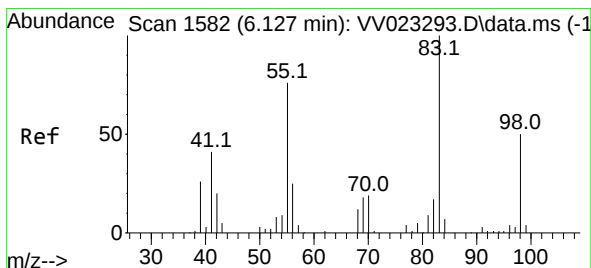
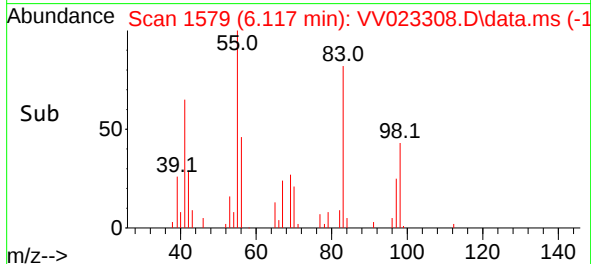
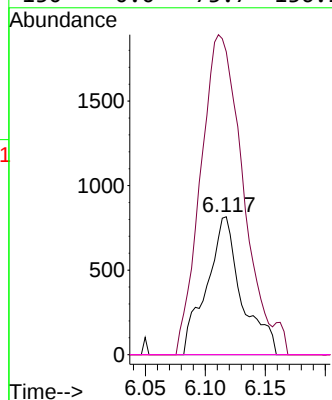
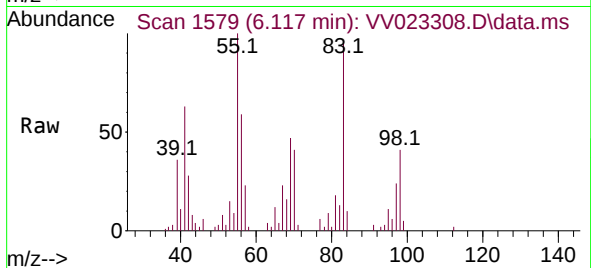
Ion Ratio Lower Upper

95 100

97 219.6 45.0 83.6#

132 0.0 69.7 129.4#

130 0.0 73.7 136.9#



#35

Methylcyclohexane

Concen: 1.650 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

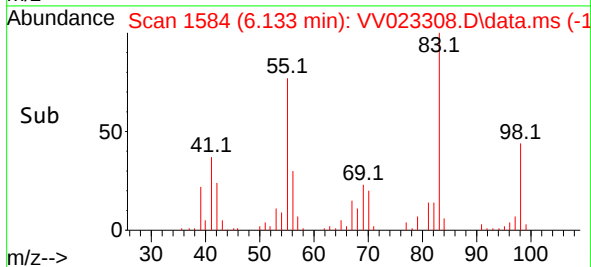
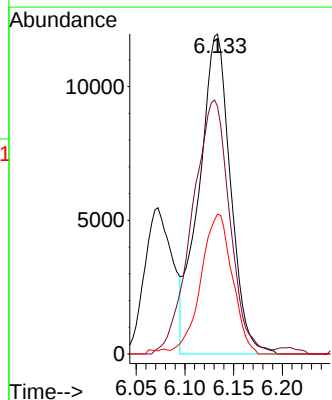
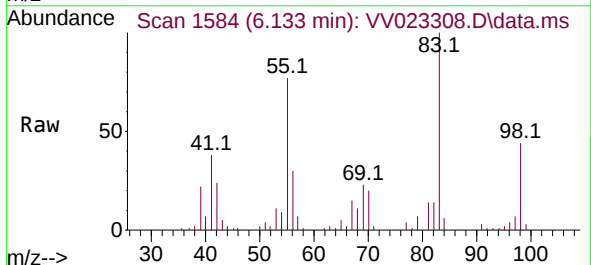
Tgt Ion: 83 Resp: 26939

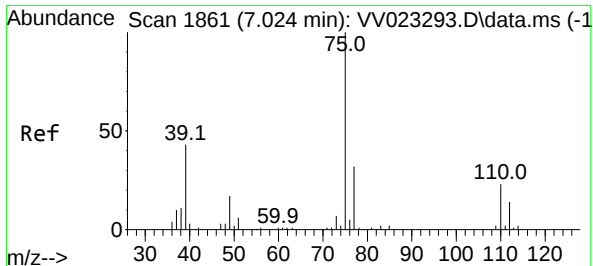
Ion Ratio Lower Upper

83 100

55 94.9 62.8 94.2#

98 43.6 37.9 56.9





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

Instrument :

MSVOA_V

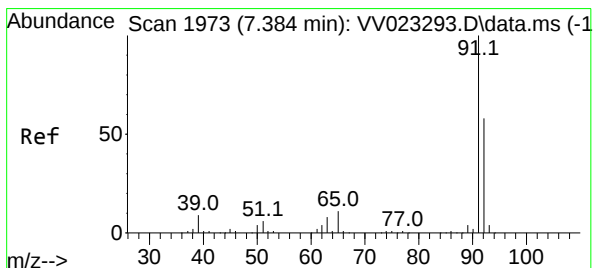
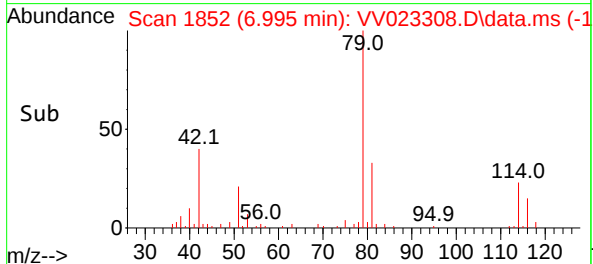
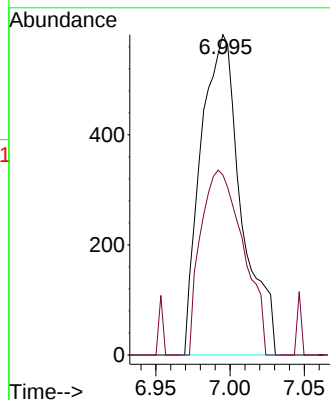
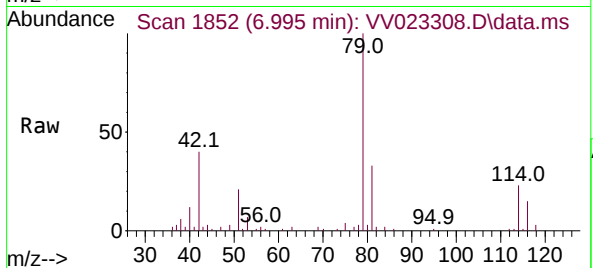
ClientSampleId :

Tgt Ion: 75 Resp: 1104

Ion Ratio Lower Upper

75 100

77 56.2 21.6 40.2#



#42

Toluene

Concen: 0.411 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV023308.D

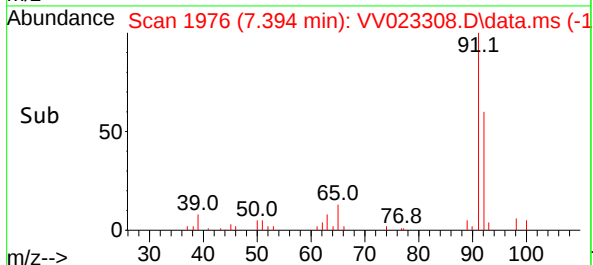
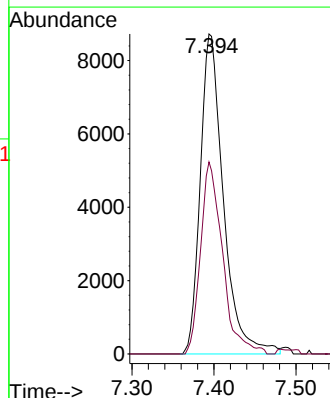
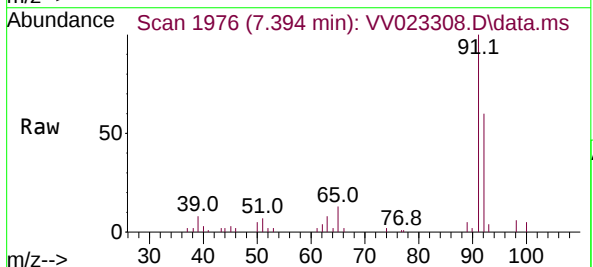
Acq: 09 Nov 2021 17:10

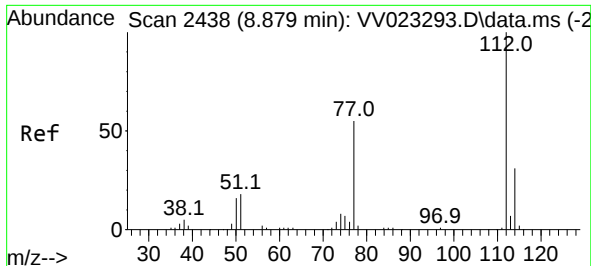
Tgt Ion: 91 Resp: 17096

Ion Ratio Lower Upper

91 100

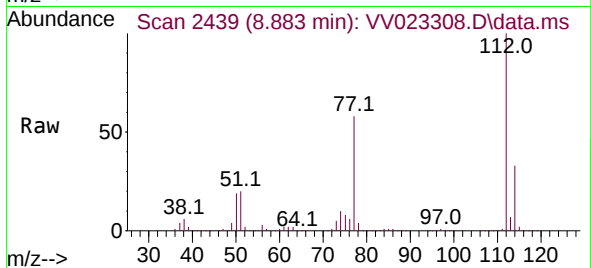
92 60.0 39.3 72.9



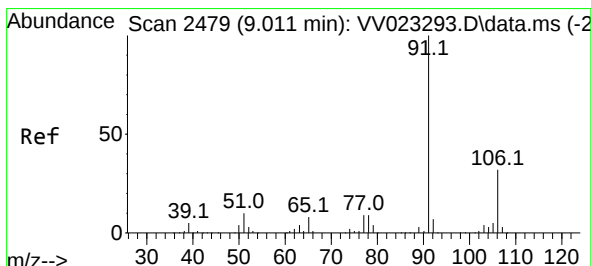
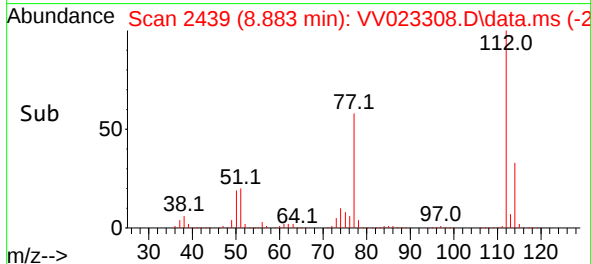
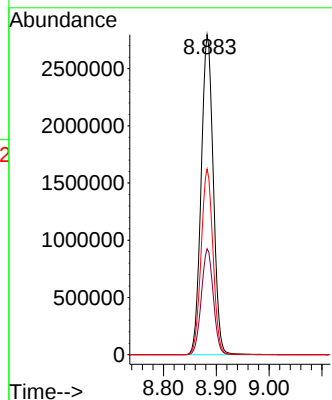


#51
Chlorobenzene
Concen: 160.742 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Instrument :
MSVOA_V
ClientSampleId :

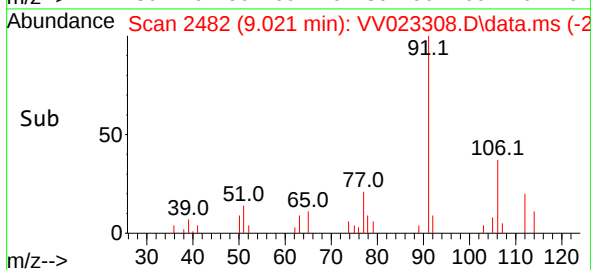
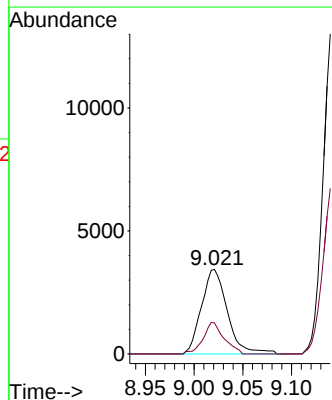
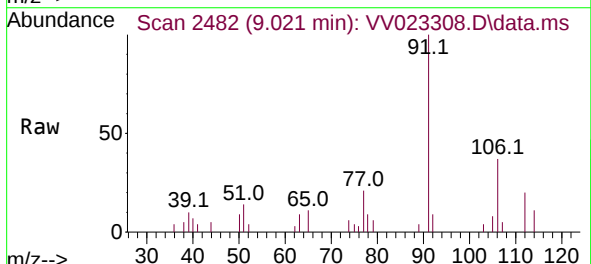


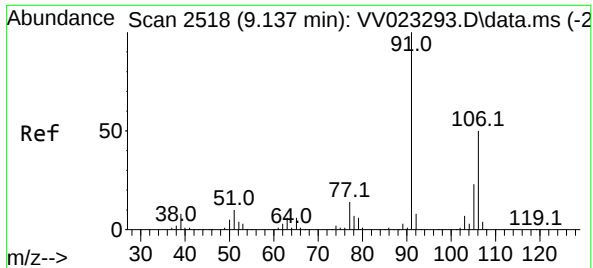
Tgt Ion:112 Resp: 4446339
Ion Ratio Lower Upper
112 100
114 33.1 22.0 40.8
77 58.0 44.4 66.6



#52
Ethylbenzene
Concen: 0.145 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Tgt Ion: 91 Resp: 6363
Ion Ratio Lower Upper
91 100
106 36.7 22.5 41.9

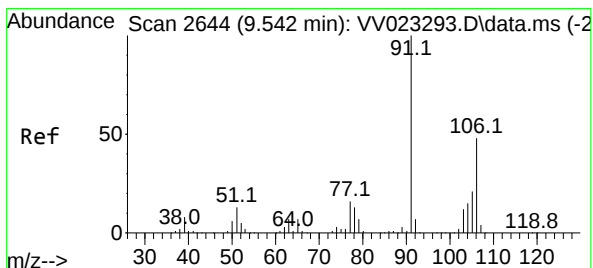
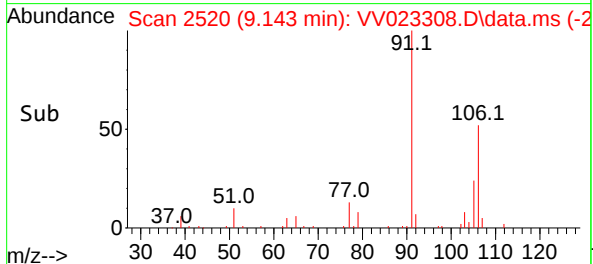
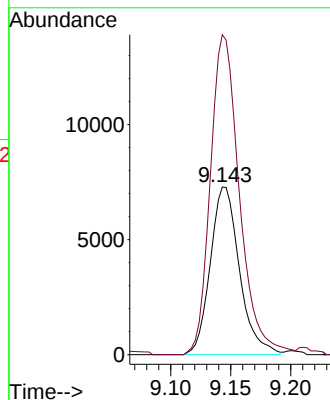
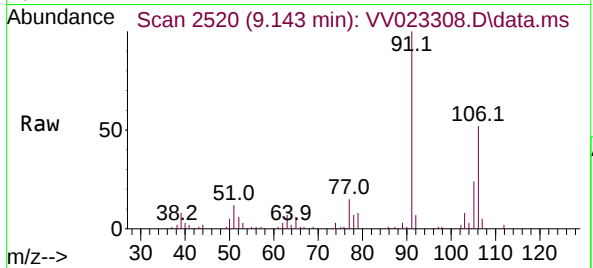




#53
m,p-xylene
Concen: 0.716 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

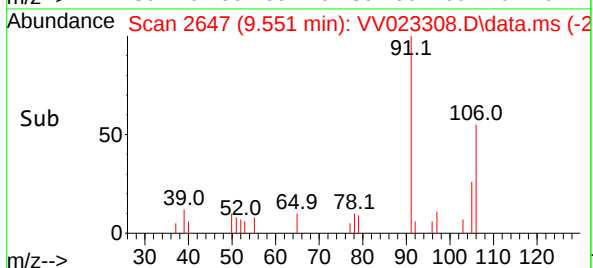
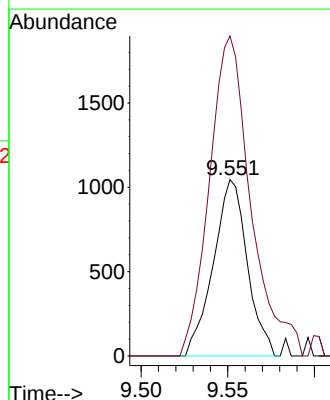
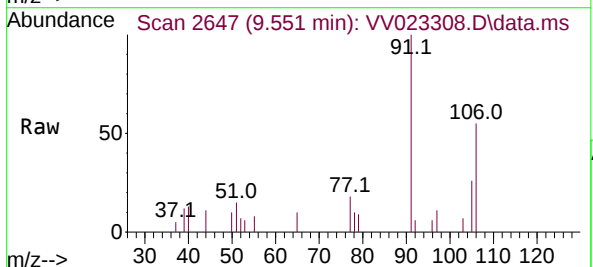
Instrument :
MSVOA_V
ClientSampleId :

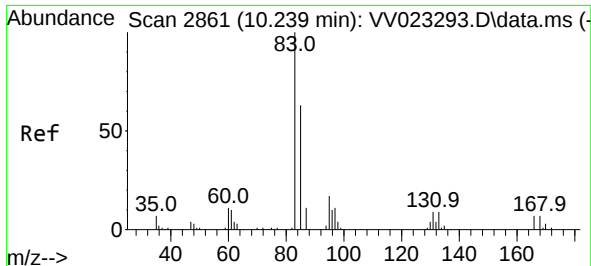
Tgt Ion:106 Resp: 12325
Ion Ratio Lower Upper
106 100
91 190.8 137.2 254.8



#54
o-xylene
Concen: 0.088 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.010 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Tgt Ion:106 Resp: 1425
Ion Ratio Lower Upper
106 100
91 181.5 148.3 275.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.138 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV023308.D

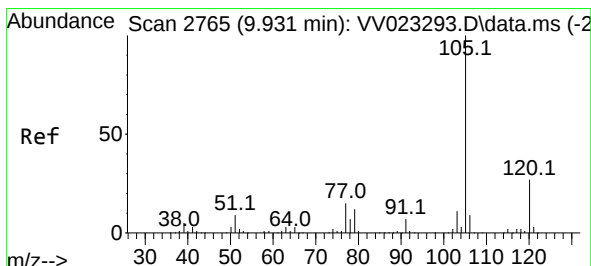
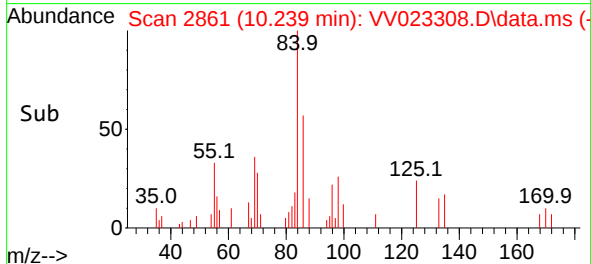
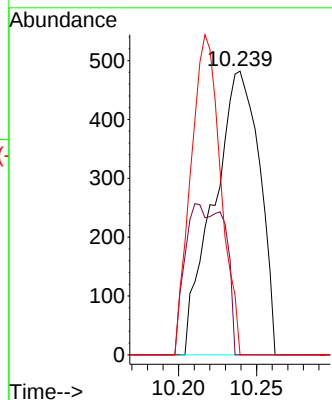
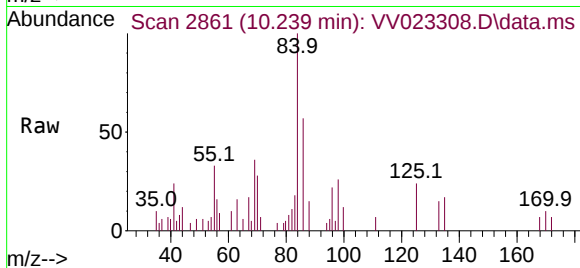
Acq: 09 Nov 2021 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	986
Ion	Ratio	Lower	Upper
83	100		
85	0.0	45.1	83.9#
131	0.0	7.8	11.6#



#60

Isopropylbenzene

Concen: 1.202 ug/L

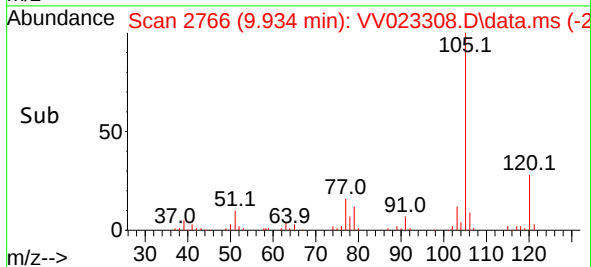
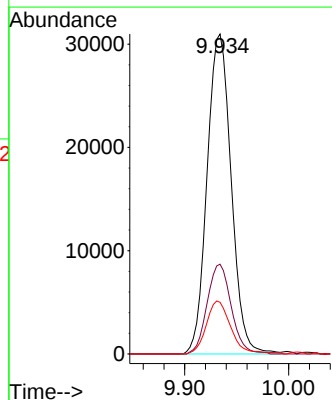
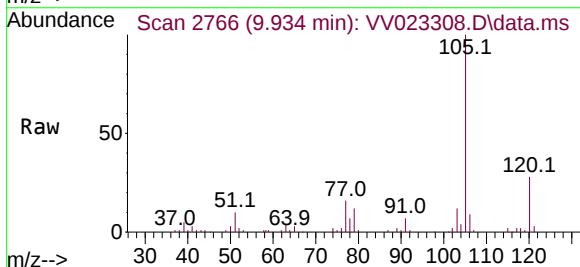
RT: 9.934 min Scan# 2766

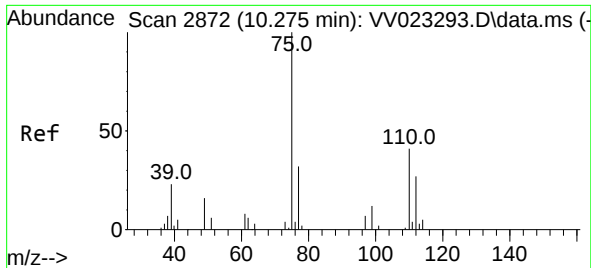
Delta R.T. 0.003 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

Tgt Ion:	105	Resp:	49916
Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.7	32.5
77	0.0	12.6	19.0#

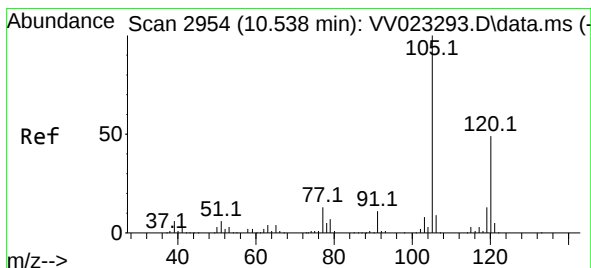
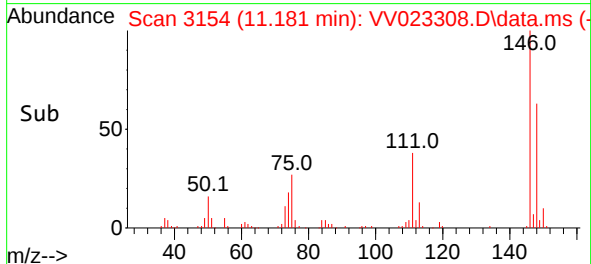
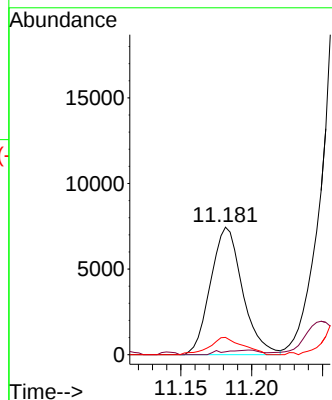
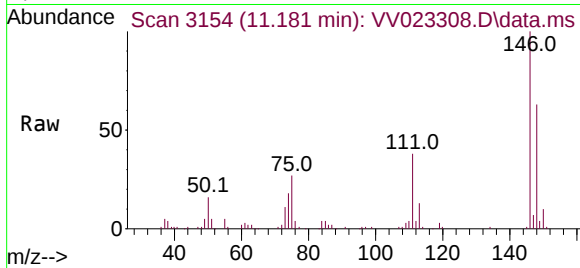




#61
 1,2,3-Trichloropropane
 Concen: 2.427 ug/L
 RT: 11.181 min Scan# 3154
 Delta R.T. 0.907 min
 Lab File: VV023308.D
 Acq: 09 Nov 2021 17:10

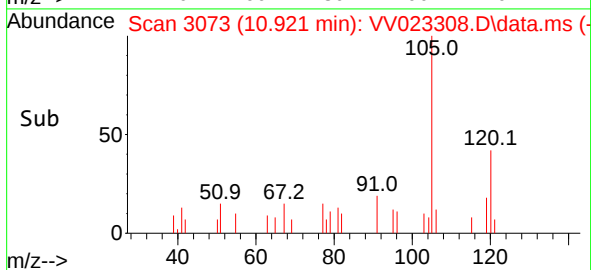
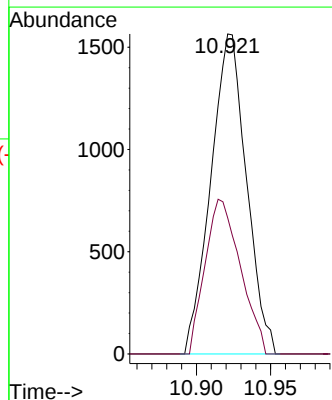
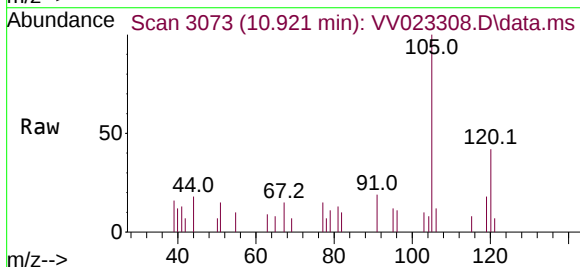
Instrument :
 MSVOA_V
 ClientSampleId :

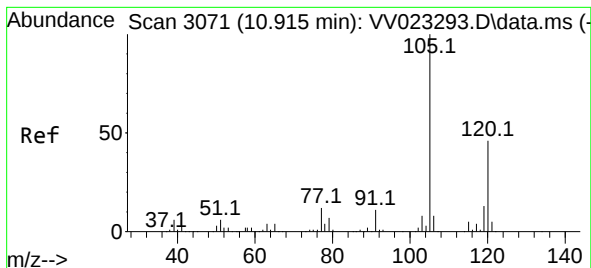
Tgt Ion: 75 Resp: 11664
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 39.8#
 110 14.0 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.076 ug/L
 RT: 10.921 min Scan# 3073
 Delta R.T. 0.383 min
 Lab File: VV023308.D
 Acq: 09 Nov 2021 17:10

Tgt Ion: 105 Resp: 2612
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.7 59.5





#63

1,2,4-Trimethylbenzene

Concen: 0.076 ug/L

RT: 10.921 min Scan# 3071

Delta R.T. 0.006 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

Instrument :

MSVOA_V

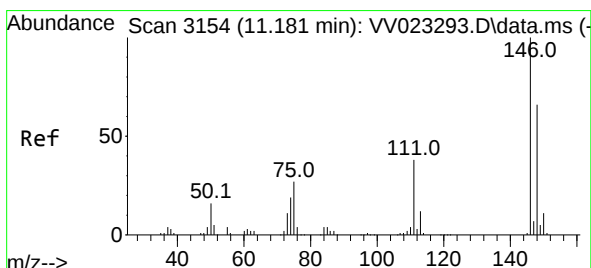
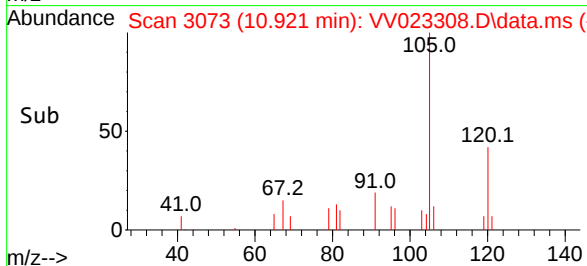
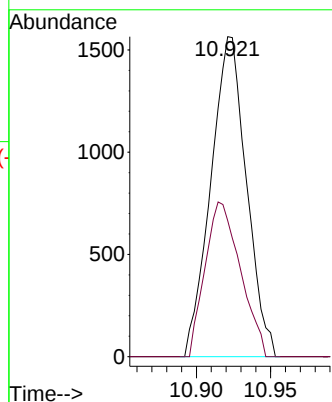
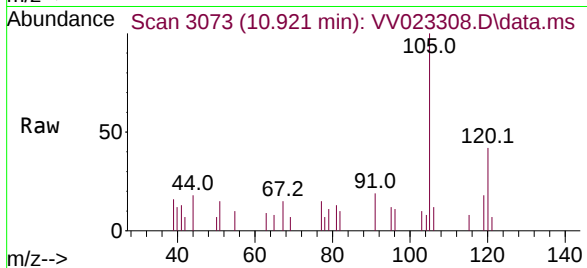
ClientSampleId :

Tgt Ion:105 Resp: 2612

Ion Ratio Lower Upper

105 100

120 47.8 37.4 56.2



#64

1,3-Dichlorobenzene

Concen: 2.030 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. -0.000 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

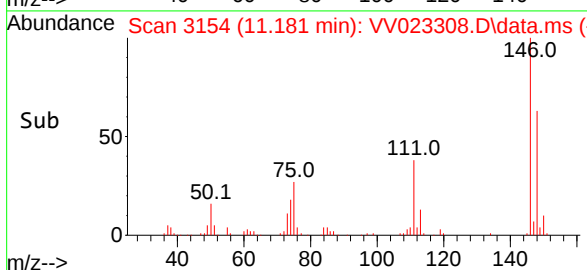
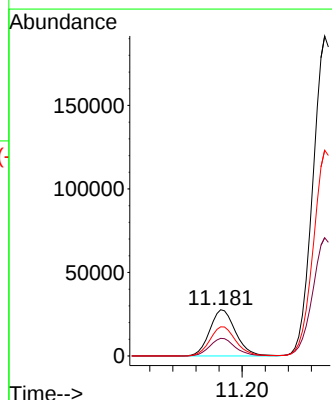
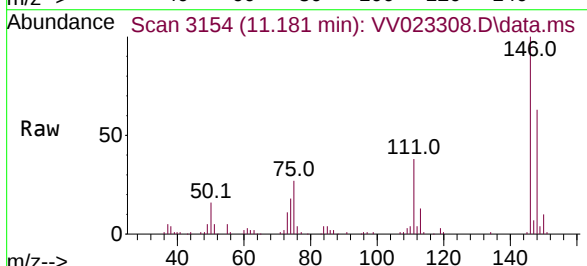
Tgt Ion:146 Resp: 43054

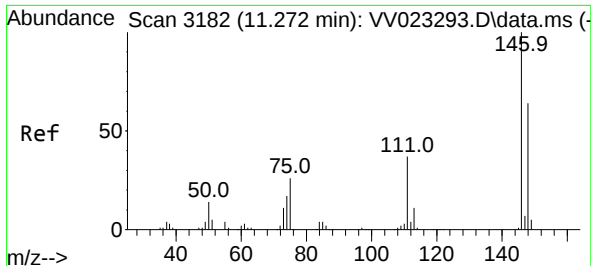
Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

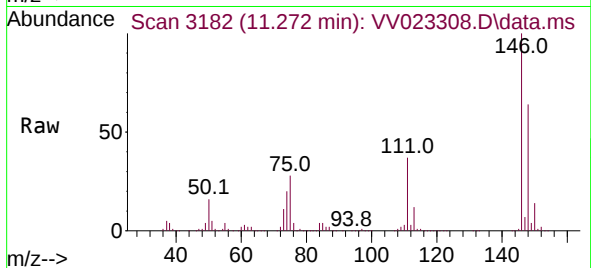
148 63.2 42.9 79.7



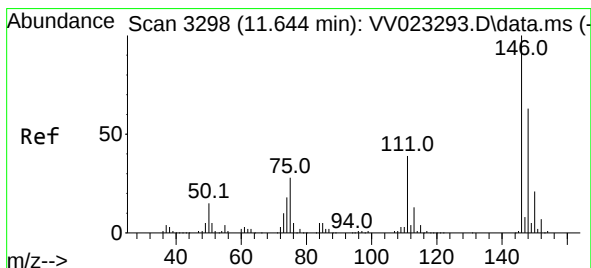
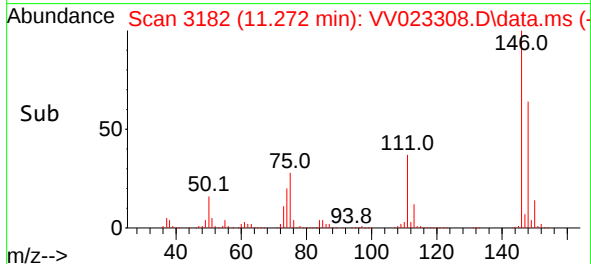
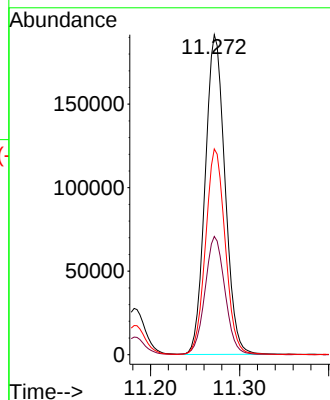


#65
1,4-Dichlorobenzene
Concen: 13.619 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Instrument :
MSVOA_V
ClientSampleId :

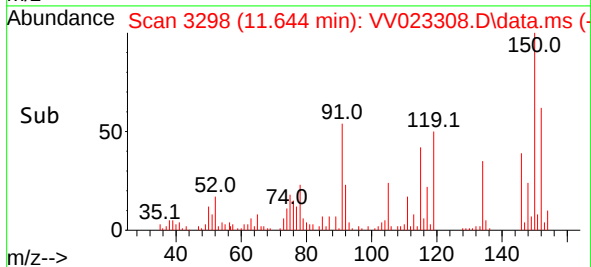
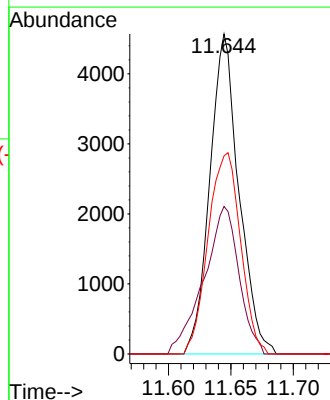
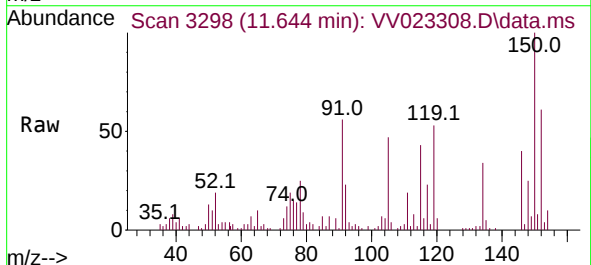


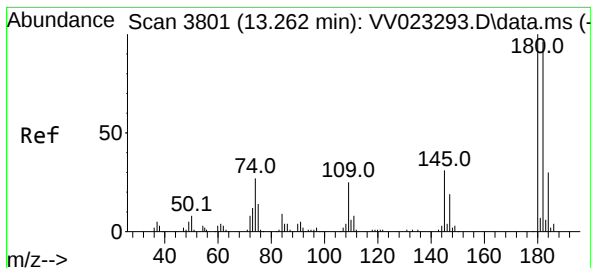
Tgt Ion:146 Resp: 295027
Ion Ratio Lower Upper
146 100
111 37.0 26.2 48.8
148 64.3 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 0.392 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV023308.D
Acq: 09 Nov 2021 17:10

Tgt Ion:146 Resp: 7438
Ion Ratio Lower Upper
146 100
111 46.1 31.6 47.4
148 61.9 51.0 76.6





#70

1,2,4-trichlorobenzene

Concen: 0.095 ug/L

RT: 13.268 min Scan# 3801

Delta R.T. 0.006 min

Lab File: VV023308.D

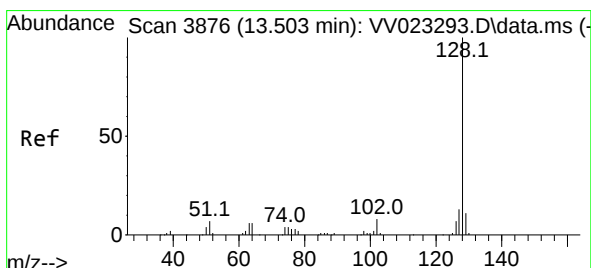
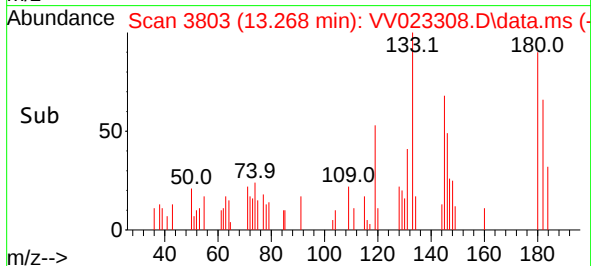
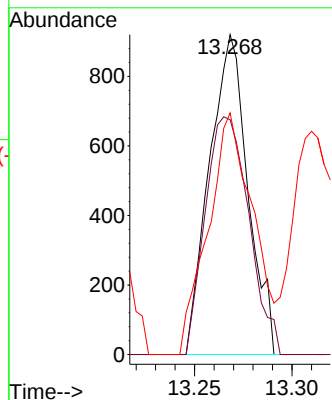
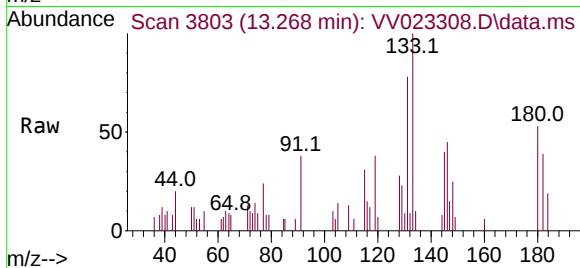
Acq: 09 Nov 2021 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180	Resp:	1263
Ion Ratio	Lower	Upper
180	100	
182	84.3	76.9 115.3
145	87.8	24.4 36.6#



#71

Naphthalene

Concen: 0.057 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.006 min

Lab File: VV023308.D

Acq: 09 Nov 2021 17:10

Tgt Ion:128	Resp:	1114
Ion Ratio	Lower	Upper
128	100	
129	9.1	8.6 13.0
127	6.6	10.5 15.7#

